

What is claimed is:

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1. A three-dimensional, unitary, molded, polymeric article comprising a generally planar two-dimensional base section formed from one polymer material and at least one projecting element extending from one side of said base section, wherein at least some terminal parts of said projecting elements are formed from a second polymer material.
2. The article according to claim 1 wherein said one polymeric material contains a first colored pigment and said second polymeric material contains a second colored pigment.
- 10 3. The article according to claim 2 wherein said base section contains a pigment that is different from said terminal parts of at least some of the projecting elements.
4. The article according to claim 2 wherein said base section and a portion of said terminal parts of at least some of said projecting elements contain the same
- 15 pigment and a portion of said terminal parts of at least some of said projecting elements contain a different pigment than said base section.
5. The article according to claim 1 wherein said polymers are polymers selected from the group consisting of polyolefins, polyethylene, polypropylene, vinyl polymers, polystyrene, styrene-acrylonitrile copolymers, styrene-butadiene
- 20 copolymers, acrylonitrile-butadiene-styrene graft copolymers, polyvinyl butyral, polyamides, nylon-6, nylon-6,6, thermoplastic, urethane polymers, thermoplastic elastomers, blends and alloys thereof.
6. The article according to claim 1 wherein said base section is formed from a first polymer material, said terminal parts of at least some of said projecting
- 25 elements are formed from a second polymer material and said base section of said projecting elements having a first polymeric material at its surface and a second polymeric material at its core.
7. The article according to claim 1 further comprising at least one from the group consisting of dyes, pigments of distinct colors and other fillers.

8. The article according to claim 1 wherein at least one of said polymers is polyethylene.
9. The article according to claim 1 further comprising a slip-resistant sheet laminated to said base section.
- 5 10. The article according to claim 1 wherein said base section includes open spaces to facilitate cleaning.
11. The article according to claim 7 wherein said terminal parts of at least a minority of said projecting elements contain a different pigment than said base section.
- 10 12. The article according to claim 7 wherein said base section contains a distinct pigment.
13. The article according to claim 1 wherein at least one of said polymers comprises polyethylene with a density in the range of about 0.915 to about 0.92.
- 15 14. The article according to claim 1 further comprising at least one dispersed functional filler selected from the group consisting of minerals, alumina, metal oxides, conductive fillers and conductive polymers.
15. The article according to claim 1 wherein at least some terminal parts of said projecting elements are formed from at least one distinct polymer.
- 20 16. In a polymer molding apparatus for producing on a rotating cylindrical mold a length of continuous, three-dimensional, molded, polymeric article comprising a plurality of projecting elements extending from a base section, wherein said apparatus comprises:
- (a) a rotatable, cylindrical mold having
- 25 (i) a plurality of circumferential, rows of cavities, and
- (ii) a plurality of parallel grooves separating said rows of cavities; and
- (b) a stationary polymer injection block in arcuate proximity to said mold and having

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22. An apparatus according to claim 21 wherein said back face is covered with at least one gasketed backing plate machined to supply a first polymer at one or more connections to a first polymer supply network and a second polymer having at least one connection to a second polymer channel.
- 5 23. An apparatus according to claim 22 wherein said first polymer supply network has one valve.
24. An apparatus according to claim 16 wherein said first polymer supply network is void of valves.
- 10 25. An apparatus according to claim 16 wherein said stationary polymer injection block comprises two sets of circumferentially aligned, cavity injection ports or supply three or more distinct polymers to at least a portion of said cavities.
26. A method for forming a multi-polymer, three-dimensional article comprising:
supplying a polymer from a first set of two sets of circumferentially aligned, cavity injection ports to a cavity area in a mold drum rotating in arcuate
15 proximity with said first set of ports to form in said cavities base section-proximate parts of projecting elements; and
supplying a different polymer from a second set of said two sets of circumferentially aligned, cavity injection ports to said cavity area rotating past said first set of ports into proximity with said second set of ports to form in said
20 cavities terminal parts of said projecting elements.
27. The method according to claim 26 further comprising processing said polymers at a temperature of about 200 degrees Celsius while maintaining a coolant circulating through said mold drum at about 20 degrees Celsius.
28. The method according to claim 26 wherein said step of supplying said polymer
25 to said cavity area in a mold drum comprises the step of supplying said polymer to said cavity area wherein said drum is rotating in the range of about 0.5 to about 5 rpm.
29. The method according to claim 26 further comprising the step of cutting said article into desired shapes.

30. The method according to claim 26 further comprising the step of adhering a rubberized fabric sheet to said article.
31. The method according to claim 26 wherein said step of supplying a different polymer from a second set of said two sets of circumferentially aligned, cavity injection ports to said cavity area comprises supplying said polymer at a relatively high pressure to flow through a molten core of said polymer to said terminal parts of said cavity and advancing said first molten polymer toward said terminal end and said projecting elements.
32. The method according to claim 26 wherein said step of supplying a first polymer comprises supplying said first polymer at a low pressure so as to fill only parts of said cavity solidifying at said mold wall and having a generally molten core.
33. The method of claim 26 wherein said step of supplying a polymer comprises supplying said polymer to a cavity area in a mold drum wherein said mold drum is designed to produce extended lengths of grass-like sheet with blade-like elements extending from a ribbed base.